



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification:</b> <b>G01N 27/49, C12Q 1/00</b>	<b>A3</b>	<b>(11) International Publication Number:</b> <b>WO 00/16089</b> <b>(43) International Publication Date:</b> 23 March 2000 (23.03.2000)
<b>(21) International Application Number:</b> PCT/US99/21683 <b>(22) International Filing Date:</b> 17 September 1999 (17.09.1999) <b>(30) Priority Data:</b> 60/100,730 17 September 1998 (17.09.1998) US <b>(60) Parent Application or Grant</b> CLINICAL MICRO SENSORS, INC. [/]; (). O'CONNOR, Stephen, D. [/]; (). TRECARTIN, Richard, F. ; ().		<b>Published</b>
<b>(54) Title: SIGNAL DETECTION TECHNIQUES FOR THE DETECTION OF ANALYTES</b> <b>(54) Titre: TECHNIQUES DE DETECTION DE SIGNAUX POUR LA DETECTION D'ANALYTES</b>  <b>(57) Abstract</b> <p>The invention relates to the use of signal processing methods in order to achieve higher signal to noise ratios, to increase the detection limits of target analytes. These techniques include the monitoring of the output signal at higher harmonic frequencies.</p> <b>(57) Abrégé</b> <p>Cette invention se rapporte à l'utilisation de procédés de traitement de signaux visant à produire des rapports signal/bruit supérieurs afin d'accroître les limites de détection d'analytes cibles. Ces techniques utilisent la surveillance du signal de sortie à des fréquences harmoniques plus élevées.</p>		

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<b>(54) Title:</b> SIGNAL DETECTION TECHNIQUES FOR THE DETECTION OF ANALYTES			
<b>(57) Abstract</b>  The invention relates to the use of signal processing methods in order to achieve higher signal to noise ratios, to increase the detection limits of target analytes. These techniques include the monitoring of the output signal at higher harmonic frequencies.			

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## INTERNATIONAL SEARCH REPORT

 Int. appl. No.  
PCT/US 99/21683

 A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N27/49 C12Q1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	WO 98 35232 A (NOVALON PHARMACEUTICAL CORP ; UNIV NORTH CAROLINA (US); FOWLKES DAN) 13 August 1998 (1998-08-13) abstract	1, 10
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Date of the actual completion of the international search

20 March 2000

Date of mailing of the international search report

05/04/2000

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No.

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